

MPLS WG Status Update

IETF 121 (Dublin & Online) – Nov. 2024

WG Chairs:

Tarek Saad

Nic Leymann

Tony Li

Secretary :

Mach Chen

This session is being recorded

Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- [BCP 9](#) (Internet Standards Process)
- [BCP 25](#) (Working Group processes)
- [BCP 25](#) (Anti-Harassment Procedures)
- [BCP 54](#) (Code of Conduct)
- [BCP 78](#) (Copyright)
- [BCP 79](#) (Patents, Participation)
- <https://www.ietf.org/privacy-policy/>(Privacy Policy)



Administrative

- **Blue Sheet**
 - Blue sheets will be automatically generated when you login into the Meetecho
- **Zulip:**
 - <https://zulip.ietf.org/#narrow/stream/121-mpls>
- **Minutes Taking:**
 - <https://codimd.ietf.org/notes-ietf-121-mpls>
- **MPLS Session Agenda at:**
 - <https://datatracker.ietf.org/doc/agenda-121-mpls>
- **Materials/Slides at:**
 - <https://datatracker.ietf.org/meeting/121/session/mpls>
- **Datatracker:**
 - <http://datatracker.ietf.org/wg/mpls>
- **MPLS WG Wiki:**
 - <https://wiki.ietf.org/group/mpls>
- **MPLS WG Github:**
 - <https://github.com/ietf-wg-mpls/drafts>

Agenda Bashing (1/2)

- 1. WG Status Update (Agenda Bashing) - 13:00**
 - Duration: 10 mins
 - Presenter: WG Chairs
- 2. Stateless MNA-based Egress Protection (SMEP) - 13:10**
 - ID: <https://datatracker.ietf.org/doc/draft-ihle-mpls-mna-stateless-egress-protection-00>
 - Duration: 15 mins
 - Presenter: Fabian Ihle
- 3. Update on MNA Implementation Experience in P4 - 13:25**
 - Duration: 20 mins
 - Presenter: Fabian Ihle
- 4. Performance Measurement Using Simple Two-Way Active Measurement Protocol (STAMP) for Segment Routing Networks - 13:45**
 - ID: <https://datatracker.ietf.org/doc/draft-ietf-spring-stamp-srpm-16>
 - Duration: 10 mins
 - Presenter: Rakesh Gandhi

Agenda Bashing(2/2)

5. Label Switched Path (LSP) Ping for Segment Routing (SR) Path Segment Identifier with MPLS Data Planes - 13:55

- ID: <https://datatracker.ietf.org/doc/draft-ietf-mpls-spring-lsp-ping-path-sid-02>
- Duration: 5 mins
- Presenter: Xiao Min

6. Deterministic Networking specific MNA - 14:00

- ID: <https://datatracker.ietf.org/doc/draft-varmir-mpls-detnet-mna-00>
- Duration: 15 mins
- Presenter: Greg Mirsky

WG Status (Errata, 1/1) (Since IETF120)

- None

WG Status (Liaisons) (Since IETF120)

- **Liaisons (since last meeting) -
from MPLS:**

- **None**

- **Liaisons (since last meeting) -
to MPLS:**

- LS on work on
Recommendations related
to MPLS -TP (From ITU-T-

<https://calabracke.ietf.org/liaison/1940/>
SG15, 2024-07-25)

Abstract: This liaison statement announces the initiation of the approval process for two corrigenda and the plan to consent an amendment to an existing Recommendation on MPLS-TP.

ITU-T SG15 wishes to inform the IETF MPLS WG that we have initiated the final approval processes for the following documents at our 1-12 July 2024 closing plenary meeting:

□ Corrigendum 1 to Recommendation ITU-T G.8121/Y.1381 (2018) Characteristics of MPLS- TP equipment functional blocks □ Corrigendum 2 to Recommendation ITU-T G.8121.1/Y.1381.1 (2018) Characteristics of MPLS-TP equipment functional blocks supporting ITU-T G.8113.1/Y.1372.1 OAM mechanisms

These corrigenda address inadvertent inconsistencies that were first identified in, and agreed to be addressed based on a contribution to this meeting.

➡ Additionally, it is our intent to initiate the approval process for draft Amendment 2 to Recommendation ITU-T G.8121/Y.1381 (2018) Characteristics of MPLS-TP equipment functional blocks at our 17-28 March 2025 plenary meeting. This amendment specifies management information signals for reporting the state of linear and ring protection processes to equipment management functionality.

This draft and the consented corrigenda are attached.

ITU-T Q10/15 will next meet 17-28 March 2025.

Attachments: TD404/PLEN, TD405/PLEN, and TD374/WP3.

Document Status (Since IETF120)

- ***** New RFCs**

- RFC 9512 (Requirements for Solutions that Support MPLS Network Actions (MNAs))
- RFC 9513 (Bidirectional Forwarding Detection (BFD) Reverse Path for MPLS Label Switched Paths (LSPs))



Document Status (Since IETF120)

● *** Docs in RFC Ed

- draft-ietf-mpls-rfc6374-sr-17
- draft-ietf-mpls-mna-usecases-15
- draft-ietf-mpls-inband-pm-encapsulation-18
- draft-ietf-mpls-ri-rsvp-frr-22
- draft-ietf-mpls-sr-epe-oam-19
- draft-ietf-mpls-msd-yang-12
- draft-ietf-mpls-spring-inter-domain-oam-20
- draft-ietf-mpls-egress-tlv-for-nil-fec-15
- draft-ietf-mpls-mldp-multi-topology-09



Document Status

(Since IETF120)

- ***** Docs in IESG**

- draft-ietf-mpls-mna-fwk-11 (*Publication Requested*)
- draft-ietf-mpls-1stnibble-10 (*Publication Requested*)



Document Status (Since IETF120)

- ***** New WG Docs**
 - None.



Document Status

(Since IETF120)

- ***** Updated WG Docs**
 - draft-ietf-mpls-mna-hdr-07 (*2nd WG LC failed*)
 - draft-ietf-mpls-p2mp-bfd-08 (*Rtmdir LC review done, WG LC will start soon*)
 - [draft-ietf-mpls-spring-lsp-ping-path-sid-02](#) (*In WG LC*)



Document Status (Since IETF120)

- ***** Alive WG Docs without Update**
 - None.
- ***** *Recently Expired***
 - draft-ietf-mpls-mldp-yang-11
 - draft-ietf-mpls-static-yang-14



Document Status

(Since IETF120)

- ***** New Individual Docs**
 - [draft-ihle-mpls-mna-stateless-egress-protection-00](#)
 - [draft-varmir-mpls-detnet-mna-00](#)
 - [draft-zhou-mpls-mna-flow-id-00](#)



Document Status

(Since IETF120)

● **Alive Individual Docs**

- draft-cx-mpls-mna-inband-pm-05
- draft-li-mpls-enhanced-vpn-vtn-id-04
- draft-lin-mpls-ldp-holdtimer-00
- draft-mb-mpls-ioam-dex-09 (***In WG AP***)
- draft-gandhi-mpls-stamp-pw-07
- draft-xiao-mpls-lsp-ping-ioam-conf-state-04
- draft-mirsky-mpls-stamp-09
- draft-li-mpls-mna-entropy-03 (***In WG AP***)
- draft-song-mpls-flag-based-opt-04
- draft-lin-mpls-ldp-holdtimer-02
- draft-nainar-mpls-lsp-ping-yang-06
- draft-sxg-mpls-mna-deterministic-latency-01
- draft-gandhi-mpls-mna-ioam-dex-01 (***In WG AP***)
- draft-jags-mpls-ps-mna-hdr-03
- draft-li-mpls-mna-nrp-selector-01
- draft-andersson-mpls-rfc8029-lsp-ping-naming-00

